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Ledet et al.

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(54) **DYNAMIC SPINAL FIXATION SYSTEM,
METHOD OF USE, AND SPINAL FIXATION
SYSTEM ATTACHMENT PORTIONS**

(58) **Field of Classification Search**
CPC A61B 17/7062; A61B 17/7067; A61B
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(57) **ABSTRACT**

Dynamic spinal fixation systems including a member, a first attachment portion, a second attachment portion, and an intermediate portion. The first attachment portion is attached at a superior end of the member and includes a first opening. The second attachment portion is attached at an inferior end of the member and includes a second opening. The intermediate portion connects the first and second attachment portions. The dynamic spinal fixation systems may also include a relief in at least one of the first opening and the second opening. The systems may also include a third attachment portion with a third opening and an intermediate portion with a first and a second elastic mechanism. The first elastic mechanism connects the first and third attachment portions and the second elastic mechanism connects the third and second attachment portions. Surgical methods for inserting the dynamic spinal fixation systems in a patient are also disclosed.

20 Claims, 23 Drawing Sheets

